

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

MBHB Case No. 05-551

<b>In re Application of:</b>	)	
	)	
Ronan Diffily et al.	)	<b>Examiner:</b> Marcia A Golub
	)	
<b>Serial No.:</b> 10/540,087	)	<b>Group Art Unit:</b> 2828
	)	
<b>Filed:</b> January 20, 2006	)	<b>Confirmation No.:</b> 6432
	)	
<b>For:</b> Frequency Setting of a Multisection Laser	)	
Diode Taking into Account Thermal Effects	)	

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO OFFICE ACTION MAILED OCTOBER 18, 2007**

Dear Sir:

In response to the Office Action mailed on October 18, 2007, please consider the following  
**AMENDMENTS** and **REMARKS**.

**AMENDMENTS TO THE CLAIMS** begin on page 2 of this response.

**REMARKS** begin on page 6 of this response.